

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

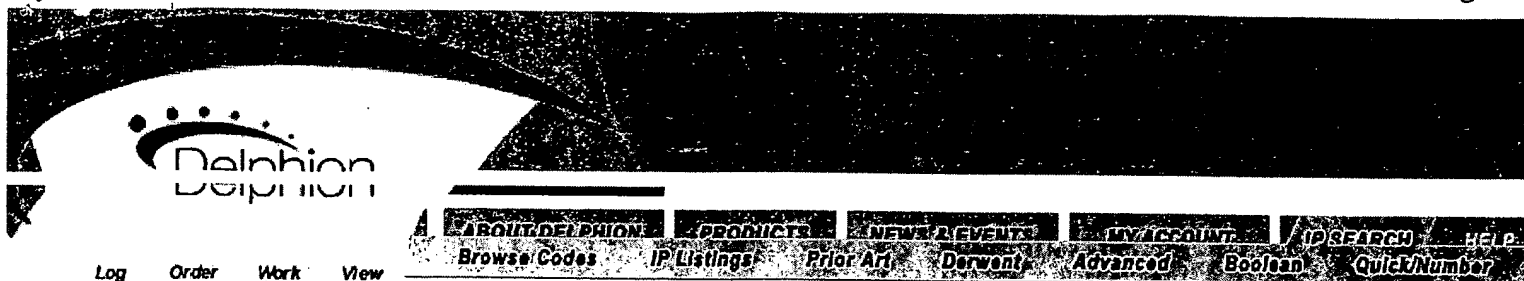
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**



The Delphion  
Integrated  
View

Other Views:  
INPADOC

Title: **JP1140558A2: MANUFACTURE OF DRY BATTERY**

► Want to see a more descriptive title highlighting what's new about this invention?

Country: **JP Japan**  
Kind: **A**

Inventor(s): **SHINODA KENICHI  
NISHIO MASATAKE  
TAKESHIMA TAKAOKI  
WATANABE NOBUAKI**

Applicant/Assignee: **FUJI ELELCTROCHEM CO LTD**

**Inquire Regarding  
Licensing**

News, Profiles, Stocks and More about this company

Issued/Filed Dates: **June 1, 1989 / Nov. 26, 1987**

Application Number: **JP1987000298314**

IPC Class: **H01M 6/08; H01M 4/75;**

Priority Number(s): **Nov. 15, 1999 JP1999000323598**

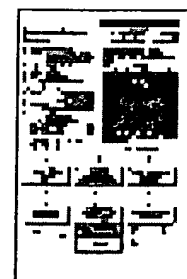
Abstract:

**Purpose:** To prevent an air ingress from a carbon rod even after a long storage period and manufacture a dry battery of high sealing performance by providing a paraffin thin film on the edge of the carbon rod in a manufacture process.

**Constitution:** The predetermined amount of paraffin 5 is applied to the upper edge of a carbon rod 4 provided at the center of a positive pole laminating agent 3 stored in a zinc can 1 and then the paraffin 5 is fused under a heating atmosphere like the exposure of a dry battery to heating in a furnace. After cooling and solidification, a thin film of the paraffin 5 is formed on the upper edge of the carbon rod 4. In this case, the amount of the paraffin 5 applied to the upper edge of the carbon rod 4 is so decided as to form a thin film covering, for example, 30% to 70% of the upper edge area of the carbon rod 4. Consequently, the paraffin 5 is formed on the upper edge of the carbon rod 4 after heating. Thereafter, upper cover paper 6 is placed on the positive pole laminating agent, a sealing agent 7 comprising pitch and the like is applied to the external surface of the carbon rod 4 and furthermore a synthetic resin sealing body 8 having a carbon rod insertion hole is kept in contact with the opening of the zinc can 1. And a metal negative terminal plate 11 is positioned on the bottom of the zinc can 1 and a metal positive terminal plate 10 is fitted on the sealing body 8.

COPYRIGHT: (C)1989,JPO&Japio

► See a clear and precise summary of the whole patent, in understandable terms.



[View  
Image](#)

1 page



Family: Show known family members

Other Abstract Info: none

Foreign References: No patents reference this one

---



Nominate this  
for the Gallery...

---

[Subscribe](#) | [Privacy Policy](#) | [Terms & Conditions](#) | [FAQ](#) | [Site Map](#) | [Help](#) | [Contact Us](#)

© 1997 - 2002 Delphion Inc.



(19)

(11) Publication number: **01140558 A**

Generated Document.

**PATENT ABSTRACTS OF JAPAN**(21) Application number: **62298314**(51) Intl. Cl.: **H01M 6/08 H01M 4/75**(22) Application date: **26.11.87**

(30) Priority:

(43) Date of application  
publication: **01.06.89**(84) Designated contracting  
states:(71) Applicant: **FUJI ELELCTROCHEM CO LTD**(72) Inventor: **SHINODA KENICHI  
NISHIO MASATAKE  
TAKESHIMA TAKAOKI  
WATANABE NOBUAKI**

(74) Representative:

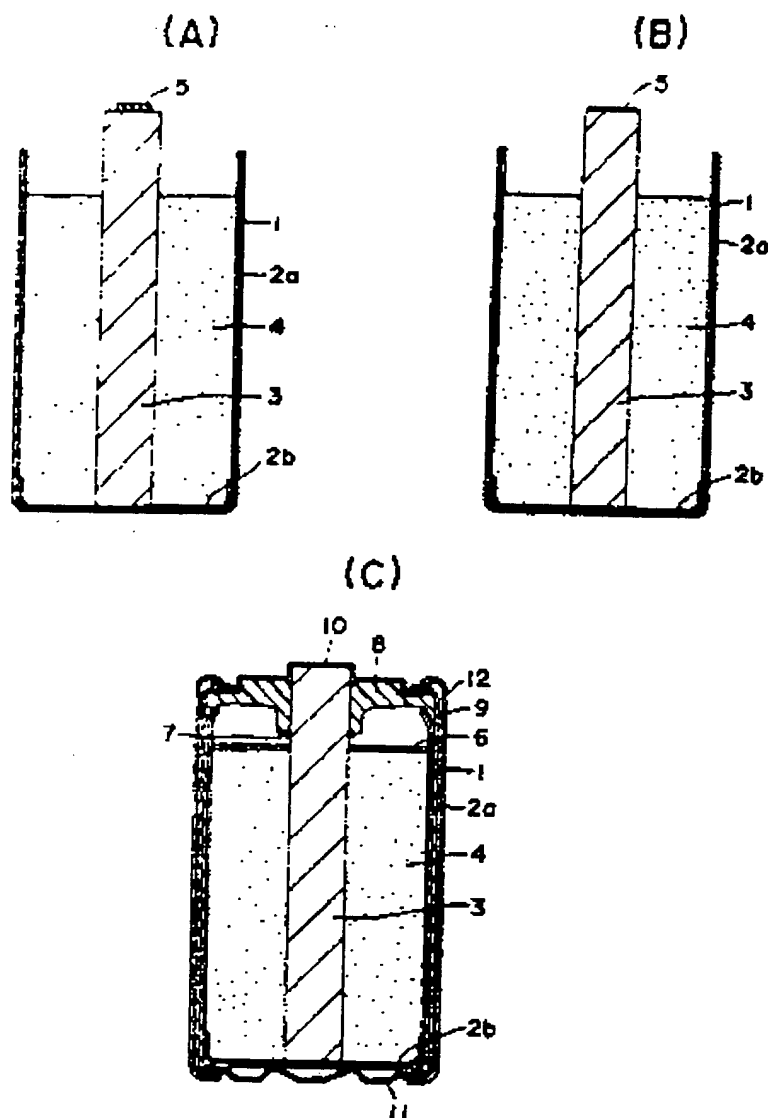
**(54) MANUFACTURE OF  
DRY BATTERY**

(57) Abstract:

**PURPOSE:** To prevent an air ingress from a carbon rod even after a long storage period and manufacture a dry battery of high sealing performance by providing a paraffin thin film on the edge of the carbon rod in a manufacture process.

**CONSTITUTION:** The predetermined amount of paraffin 5 is applied to the upper edge of a carbon rod 4 provided at the center of a positive pole laminating agent 3 stored in a zinc can 1 and then the paraffin 5 is fused under a heating atmosphere like the exposure of a dry battery to heating in a furnace. After cooling and solidification, a thin film of the paraffin 5 is formed on the upper edge of the carbon rod 4. In this case, the amount of the paraffin 5 applied to the upper edge of the carbon rod 4 is so decided as to form a thin film covering, for example, 30% to 70% of the upper edge area of the carbon rod 4. Consequently, the paraffin 5 is formed on the upper

edge of the carbon rod 4 after heating. Thereafter, upper cover paper 6 is placed on the positive pole laminating agent, a sealing agent 7 comprising pitch and the like is applied to the external surface of the carbon rod 4 and furthermore a synthetic resin sealing body 8 having a carbon rod insertion hole is kept in contact with the opening of the zinc can 1. And a metal negative terminal plate 11 is positioned on the bottom of the zinc can 1 and a metal positive terminal plate 10 is fitted on the sealing body 8.



COPYRIGHT: (C)1989,JPO&Japio